



ENGLISH

MODEL: F7100



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USER'S MANUAL

GPRS Phone

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Please read this manual carefully
before operating your mobile phone.
Retain it for future reference.

G • P • R • S • P • H • O • N • E

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Introduction

Congratulations on your purchase of the advanced and compact F7100 cellular phone, designed to operate with the latest digital mobile communication technology.



This user's guide contains important information on the use and operation of this phone. Please read all the information carefully for optimal performance and to prevent any damage to or misuse of the phone. Any changes or modifications not expressly approved in this user's guide could void your warranty for this equipment.



Warning

Mobile Phones must be switched off at all times in an aircraft.



Do not hold the phone in your hand while driving.



Do not use your phone near petrol stations, fuel depots, chemical plants or blasting operations.



For your safety, use **ONLY** specified **ORIGINAL** batteries and chargers.



Do not handle the phone with wet hands while it is being charged. It may cause an electric shock or seriously damage your phone.



Keep the phone in a safe place out of children's reach. It includes small parts which if detached may cause a choking hazard.





Caution

Switch off the phone in any area where required by special regulations. For example, do not use your phone in hospitals or it may affect sensitive medical equipment.



Emergency call may not be available under all cellular networks. Therefore, you should never depend solely on the phone for emergency calls.



Only use ORIGINAL accessories to avoid damage to your phone.



All radio transmitters carry risks of interference with electronics in close proximity. Minor interference may affect TVs, radios, PCs, etc.



Batteries should be disposed of in accordance with relevant legislation.



Do not dismantle the phone or battery.





Read these simple guidelines. Breaking the rules may be dangerous or illegal. Further detailed information is given in this manual.

Exposure to radio frequency energy

Radio wave exposure and Specific Absorption Rate (SAR) information

This mobile phone model F7100 has been designed to comply with applicable safety requirement for exposure to radio waves. This requirement is based on scientific guidelines that include safety margins designed to assure this safety of all persons, regardless of age and health.

- The radio wave exposure guidelines employ a unit of measurement known as the Specific Absorption Rate, or SAR. Tests for SAR are conducted using standardized method with the phone transmitting at its highest certified power level in all used frequency bands.
- While there may be differences between the SAR levels of various LG phone models, they are all designed to meet the relevant guidelines for exposure to radio waves.
- The SAR limit recommended by the international Commission on Non-Ionizing Radiation Protection (ICNIRP), which is 2W/kg averaged over ten (10) gram of tissue.
- The highest SAR value for this model phone tested by DASY4 for use at the ear is 0.0319 W/kg (10g).
- SAR data information for residents in countries/regions that have adopted the SAR limit recommended by the Institute of Electrical and Electronics Engineers (IEEE), which is 1.6 W/kg averaged over one (1) gram of tissue.

Product care and maintenance

Warning: Use only batteries, charger and accessories approved for use with this particular phone model. The use of any other types may invalidate any approval or warranty applying to the phone, and may be dangerous.

- Do not disassemble this unit. Take it to a qualified service technician when repair work is required.
- Keep away from electrical appliance such as a TV, radio or personal computer.
- The unit should be kept away from heat sources such as radiators or cookers.
- Do not drop.
- Do not subject this unit to mechanical vibration or shock.
- The coating of the phone may be damaged if covered with wrap or vinyl wrapper.
- Do not use harsh chemicals (such as alcohol, benzene, thinners, etc.) or detergents to clean your phone. There is a risk of this causing a fire.
- Do not subject this unit to excessive smoke or dust.
- Do not keep the phone next to credit cards or transport tickets; it can affect the information on the magnetic strips.
- Do not tap the screen with a sharp object; otherwise, it may damage the phone.
- Do not expose the phone to liquid or moisture.
- Use the accessories like an earphone cautiously.
- If you put your phone in a pocket or bag without covering the receptacle of the phone (power plug pin), metallic articles (such as a coin, paperclip or pen) may short-circuit the phone. Always cover the receptacle when not in use.

- Never place your phone in a microwave oven as it will cause the battery to explode.
- Only authorized personnel should service the phone and its accessories. Faulty installation or service may result in accidents and consequently invalidate the warranty.
- Do not use the phone if the antenna is damaged. If a damaged antenna contacts skin, it may cause a slight burn. Please contact an LG Authorized Service Center to replace the damaged antenna.
- The label of the phone contains important information for customer support purposes. Do not remove it.

Efficient phone operation

To enjoy optimum performance with minimum power consumption please:

- Hold the phone as you speak to any other telephone. While speaking directly into the microphone, angle the antenna in a direction up and over your shoulder. If the antenna is extendable/retractable, it should be extended during a call.
- Do not hold the antenna when the phone is in use. If you hold it, it can affect call quality, it also may cause the phone to operate at a higher power level than needed and shorten talk and standby times.
- If your mobile phone supports infrared, never direct the infrared ray at anyone's eye.

Electronics devices

All mobile phones may get interference, which could affect performance.

- Do not use your mobile phone near medical equipment without requesting permission. Avoid placing the phone over the pacemaker, i.e. in your breast pocket.

- Some hearing aids might be disturbed by mobile phones.
- Minor interference may affect TVs, radios, PCs, etc.
- Do not bend, scratch, or expose to static electricity.

Road safety

Check the laws and regulations on the use of mobile phones in the areas when you drive.

- Do not use a hand-held phone while driving.
- Give full attention to driving.
- Use a hands-free kit, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.
- RF energy may affect some electronic systems in your motor vehicle such as car stereo, safety equipment.
- When riding in a car, do not leave your phone or set up the hands-free kit near to the air bag. If wireless equipment is improperly installed and the air bag is activated, you may be seriously injured.

Blasting area

Do not use the phone where blasting is in progress. Observe restrictions, and follow any regulations or rules.

Potentially explosive atmospheres

- Do not use the phone at a refueling point. Don't use near fuel or chemicals.
- Do not transport or store flammable gas, liquid, or explosives in the compartment of your vehicle, which contains your mobile phone and accessories.

In aircraft

Wireless devices can cause interference in aircraft.

- Turn off your mobile phone before boarding any aircraft.
- Do not use it on the ground without crew permission.

Battery information and care

- You do not need to completely discharge the battery before recharging. Unlike other battery systems, there is no memory effect that could compromise the battery's performance.
- Use only LG batteries and chargers. LG chargers are designed to maximize the battery life.
- Do not disassemble or short-circuit the battery pack.
- Keep the metal contacts of the battery pack clean.
- Replace the battery when it no longer provides acceptable performance. The battery pack may be recharged hundreds of times until it needs replacing.
- Recharge the battery if it has not been used for a long time to maximize usability.
- Do not expose the battery charger to direct sunlight or use it in high humidity, such as the bathroom.
- Do not leave the battery in hot or cold places, this may deteriorate the battery performance.

Network service

- Some services and functions described in this user's guide are dependent on network or subscription. Therefore, all menus may not be available in your phone. Please consult network operator for more information about your subscription.



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Front of the Phone

1. Earpiece

2. Display icons

- Top: Signal strength, battery level and various function
- Bottom: Soft key indications

3. Alpha numeric keys

- In standby mode: Input numbers to dial.

Hold down



– International calls



– Call your voice mail box

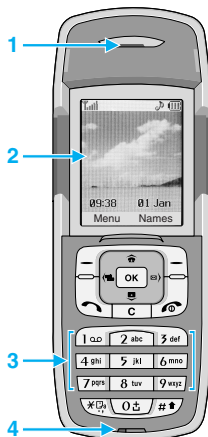


to – Speed dials



– Activate Voice dialing

- In editing mode: Enter numbers & characters.



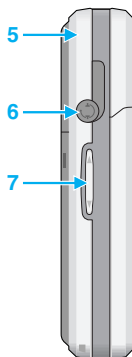
4. Microphone

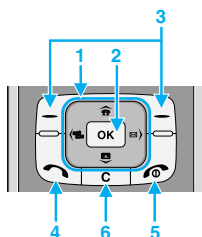
5. Integrated antenna

6. Headset jack

7. Side keys





- In standby mode: volume of key tone
- In menu: scroll up & down
- During a call: volume of the earpiece
- Down key
Hold down: Activate Qiblah direction





1. Navigation key

- In standby mode:

-  Briefly: Name list of Phonebook
-  Briefly: List of Voice memo
- Hold down: Activate Voice memo
-  Briefly: List of Messages
-  Briefly: List of Profiles
- Hold down: Activate Vibrate mode

- In menu: scroll up & down

2. Confirm key

- In standby mode: Activate WAP

3. Soft keys

- These keys perform the function indicated in the bottom of the display.

4. Send key

- Dial a phone number and answer a call.
- In standby mode: shows recently dialled, received and missed call.

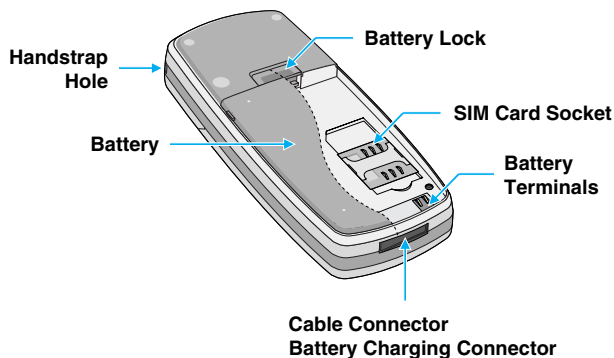
5. End key

- Switched on/off (hold down).
- End or reject a call.

6. Clear key

- Briefly: List of Answering phone.
- Hold down: Activate/Deactivate Answering phone.

Rear of the Phone





Key Description

Letter Keys

Each key can be used for several symbols. There are shown below.

* You can see this letter keys only in ABC or abc mode.






Key	Description
	., / ? ! - : ' " 1
	A B C 2 Ä Å Æ Ç a b c ä å æ ç
	D E F 3 Ë Ê Ë Ì Í Î Ï Ñ Ò Ó Ô Õ Ö Ù Ú Û Ü Õ
	G H I 4 Ì Í Î Ï Ñ Ò Ó Ô Õ Ö Ù Ú Û Ü Õ
	J K L 5 j k l
	M N O 6 Ñ Ò Ó Ô Õ Ö Ù Ú Û Ü Õ
	P Q R S 7 Ñ Ò Ó Ô Õ Ö Ù Ú Û Ü Õ
	T U V 8 Ñ Ò Ó Ô Õ Ö Ù Ú Û Ü Õ
	W X Y Z 9 w x y z
	[Space] 0



The screen displays several icons. There are described below.

On-Screen Icons

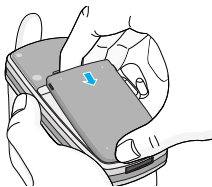
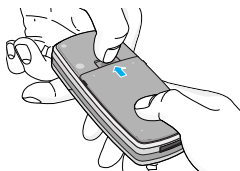
Icon/Indicator	Description
	Tells you the strength of the network signal.
	Call is connected.
	You can use GPRS service.
	Shows that you are using a roaming service.
	Line 1/2 is in use for outgoing calls – if you subscribe to the Two Line Service.
	The alarm has been set and is on.
	Tells you the status of the battery.
	You have received a text message.
	You have received a voice message.
	You have received a push message.
	You can view your schedule.
	All audible signals are turned off.
	General menu in profile.
	Loud menu in profile.
	Silent menu in profile.
	Headset menu in profile.
	You can divert a call.

Icon/Indicator	Description
	Indicates the General answering phone feature is activated.
	Indicates the Meeting answering phone feature is activated.
	Indicates the Driving answering phone feature is activated.
	Indicates the user-defined 1 answering phone feature is activated.
	Indicates the user-defined 2 answering phone feature is activated.

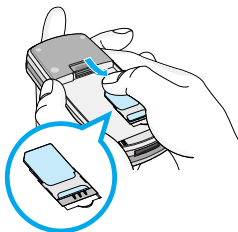


1. Inserting the SIM Card

1. With the back of the phone, press the latch up and hold it. Lift the battery away as shown.

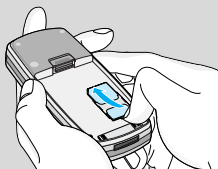


2. Slide the SIM card into the slot, under the silvery holders, with the golden connectors facing downward.



! Remove the SIM card

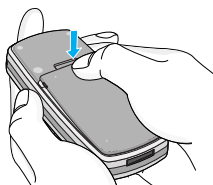
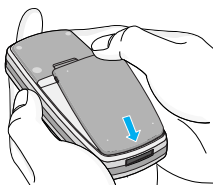
Slide the SIM card out of the slot, as shown, toward the top of the phone.



! SIM Card

- When you register as a subscriber with a network operator, you can get a SIM (Subscriber Identity Module) card. The SIM card contains a computer chip that keeps track of your phone number, the services included in your subscription and your phone book information among other things.

3. Place the battery on the back; Position the lugs on the bottom of the battery into the retaining holder. Then slightly push the battery down until the latch clicks.

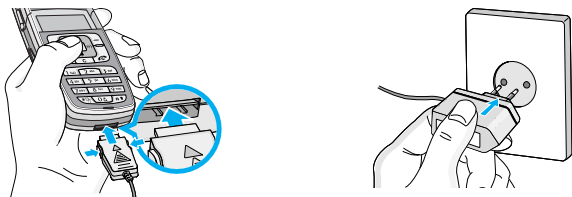


Caution

- Removing the battery from the phone whilst it is switched on may cause it to malfunction.
- The metal contact of the SIM card can be easily damaged by scratches. Pay special attention to the SIM card when you handle and install. Follow the instructions supplied with the SIM card.
- The SIM card must be treated with the same care as a bank card.
- If your phone and/or SIM card are lost or stolen, call the service provider immediately to prevent misuse.

2. Charging the Battery

To connect the travel adapter to the phone, you must have installed the battery.



1. Ensure the battery is fully charged before using the phone.
2. With the arrow facing you as shown in the diagram push the plug on the battery adapter into the socket on the bottom of the phone until it clicks into place.
3. Connect the other end of the travel adapter to the mains socket. Use only the included packing charger.
4. The moving bars of battery icon will stop after charging is complete.



Caution

- Do not force the connector as this may damage the phone and/or the travel adapter.
- Insert the battery pack charger vertically to wall power outlet.
- If you use the battery pack charger out of your own country, use an attachment plug adaptor for the proper configuration.
- Do not remove your battery or the SIM card while charging.



Warning

- Unplug the power cord and charger during lightning storms to avoid electric shock or fire.
- Make sure that no sharp-edged items such as animal teeth, nails, come into contact with the battery. There is a risk of this causing a fire.
- Do not place or answer calls while charging the phone as it may short-circuit the phone and/or cause electric shock or fire.




3. Disconnecting the charger

Disconnect the travel adapter from the phone by pressing its side buttons as shown in the diagram.









Making a call

1. Key in phone number including the area code. If you want to delete number, press .
2. Press  to call the number.
3. Press  to end the call.




International Calls

1. Press and hold the  key for the international prefix.
“+” character may replace with the international access code.
2. Enter the country code, area code, and the phone number.
3. Press .

Making a call using the Send Key

1. In standby mode press  key.
2. You can see the latest dialled, received and missed phone numbers.
3. Select the number you want by using the navigation key.
4. Press .

Making a call using the Phonebook

1. In standby mode, press  [Names].
2. When the menu is displayed, you select Search by pressing .
3. If you find out the desired item through searching by a name or a number, press  to call.



In call Menu

The menu displayed on the handset screen during a call is different to the default main menu reached from the idle screen, and the options are described here.

1 During a call

1-1 Putting a Call on Hold

When a call is made or answered, press the [Send] to place it on hold. When a call is held, press the [Send] to make it active.

1-2 Making a Second Call

You can get a dial number from phonebook to make a second call. Press [Names] then select **Search**. To save the dial number into phonebook during call, press [Names] then select **Add new**.

1-3 Swapping Between Two Calls



To switch between two calls, select [Options], then select **Swap** or just press [Send] key.


You can make one of two calls focused by pressing up/down arrow key. If you want to end one of two calls, make the call you want to end focused, then press [End] key when the call you want to end is focused.

1-4 Answering an Incoming Call


To answer an incoming call when the handset is ringing, simply press the [Send] key.



The handset is also able to warn you of an incoming call while you are already in a call. A tone sounds in the earpiece, and the display will show that a second call is waiting. This feature, known as Call Waiting, is only available if your network supports it. For details of how to activate and deactivate it see Call waiting [Menu 4-4-4].

If Call Waiting is on, you can put the first call on hold and answer the second, by pressing  [Send] or by selecting  [Answer], then **Hold & Answer**.



You can end the current call and answer the waiting call by selecting  [Menu], then **End & Answer**.

1-5 Rejecting an Incoming Call

When not in a call you can reject an incoming call without answering it by simply pressing the  [End].


When in a call you can reject an incoming call by pressing the  [Menu] key and selecting **Multiparty/Reject** or by pressing the  [End] key.

1-6 Muting the Microphone


You can mute the microphone during a call by pressing the  [Options] key then selecting **Mute**. The handset can be unmuted by pressing the  [Unmute].

When the handset is muted, the caller cannot hear you, but you can still hear them.

1-7 Switching DTMF Tones on During a Call

To turn DTMF tones on during a call, for example, to allow your handset to make use of an automated switchboard, select  [Options], then **DTMF On**. DTMF tones can be turned off the same way.

1-8 Calling up Messages and SIM Tool kit main menu

The Messages and SIM Tool kit main menu options can be reached from the in-call menu by selecting  [Options]. SIM Tool kit menu is shown only when SIM in the handset supports SIM Tool kit service.



2 Multiparty or Conference Calls

The multiparty or conference service provides you with the ability to have a simultaneous conversation with more than one caller, if your network service provider supports this feature.


A multiparty call can only be set up when you have one active call and one call on hold, both calls having been answered. Once a multiparty call is set up, calls may be added, disconnected or separated (that is, removed from the multiparty call but still connected to you) by the person who set up the multiparty call.

The maximum callers in a multiparty call is five. Once started, you are in control of the multiparty call, and only you can add calls to the multiparty call.


2-1 Making a Second Call

You can make a second call while you are already in a call. To do this, enter the second number and press  [Send]. When you get second call the first call is automatically put on hold. You can swap between calls by selecting  [Options] then **Swap**.


2-2 Setting up a Multiparty Call

You can connect a call on hold to the currently active call to form a multiparty call by selecting  [Options] then **Multiparty/Join all**.


2-3 Putting the Multiparty Call on Hold

To put a multiparty call on hold, select  [Options] then **Multiparty/Hold all**.



2-4 Activate the Multiparty Call on Hold

To make a multiparty call on hold active, select  [Options] then **Multiparty/Join all**.


2-5 Adding Calls to the Multiparty Call

To join an active call to the held multiparty call, select  [Options] then **Multiparty/Join all**.


2-6 Displaying Callers in a Multiparty Call

To scroll through the numbers of the callers who make up a multiparty call on the handset screen, press  and  keys.



2-7 Putting a Member of a Multiparty Call on Hold

To place one selected caller (whose number is currently displayed on-screen) of a multiparty call on hold, select  [Options] then **Multiparty/Exclude**.

2-8 A Private Call in a Multiparty Call

To have a private call with one caller of a multiparty call, display the number of the caller you wish to talk to on the screen, then select  [Options] and **Multiparty/Private** to put all the other callers on hold.

2-9 Ending a Multiparty Call

The currently displayed caller of a multiparty call can be disconnected by pressing the  [End] key. To end a multiparty call, press  [Options] then select **Multiparty/End multiparty**.

Selecting  [Options] then **Multiparty/End all**, will end all the active and held calls.



Access Codes

You can use the access codes described in this section to avoid unauthorized use of your phone. The access codes (except PUK and PUK2 codes) can be changed by using [Menu 4-5-5].

PIN code (4 to 8 digits)

The PIN (Personal Identification Number) code protects your SIM card against unauthorized use. The PIN code is usually supplied with the SIM card. When **PIN code** is set **On**, your phone will request the PIN code every time it is switched on. On the contrary, when **PIN code** is set **Off**, your phone connects to the network directly without the request PIN code.

PIN2 code (4 to 8 digits)

The PIN2 code, supplied with some SIM cards, is required to access some functions such as Advice of call charge, Fixed Dial number. These functions are only available if supported by your SIM card.

PUK code (4 to 8 digits)

The PUK (PIN Unblocking Key) code is required to change a blocked PIN code. The PUK code may be supplied with the SIM card. If not, contact your local service provider for the code. If you lose the code, also contact your service provider.

PUK2 code (4 to 8 digits)

The PUK2 code, supplied with some SIM cards, is required to change a blocked PIN2 code. If you lose the code, also contact your service provider.

Security code (4 to 8 digits)

The security code protects the unauthorized use of your phone. It is usually supplied with the phone. This code is required to delete all phone entries and to activate “Reset settings” menu. The default number is “**0000**”.



Menu Tree

1. Messages

- 1.1 Write short message
- 1.2 Write multimedia message
- 1.3 Inbox
- 1.4 Outbox
- 1.5 Voice mail
 - 1.5.1 Listen to voice mail
 - 1.5.2 Voice mail centre
- 1.6 Info service
 - 1.6.1 Read
 - 1.6.2 Receive
 - 1.6.3 Alert
 - 1.6.4 Languages
 - 1.6.5 Topics
- 1.7 Templates
 - 1.7.1 Text
 - 1.7.2 Multimedia
 - 1.7.3 Business card
- 1.8 Settings
 - 1.8.1 Short message
 - 1.8.2 Multimedia message
 - 1.8.3 Memory status

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- 2.2 Received calls
- 2.3 Dialed calls
- 2.4 All calls
- 2.5 Delete recent calls
 - 2.5.1 Missed calls
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 - 2.5.4 All calls
- 2.6 Call charges
 - 2.6.1 Call duration
 - 2.6.2 Call costs
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 - 2.7.1 Call duration
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- 3.1 Vibrate only
 - 3.1.1 Activate
- 3.2 Silent
 - 3.2.1 Activate
 - 3.2.2 Personalise
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 - 3.3.1 Activate
 - 3.3.2 Personalise
- 3.4 Loud
 - 3.4.1 Activate
 - 3.4.2 Personalise
- 3.5 Headset
 - 3.5.1 Personalise

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- 4.1 Alarm clock
- 4.2 Date & Time
 - 4.2.1 Set date
 - 4.2.2 Date format
 - 4.2.3 Set time
 - 4.2.4 Time format
 - 4.2.5 Daylight saving
- 4.3 Phone settings
 - 4.3.1 Display settings
 - 4.3.2 Language
 - 4.3.3 LED indicator
- 4.4 Call settings
 - 4.4.1 Call divert
 - 4.4.2 Answer mode
 - 4.4.3 Send my number
 - 4.4.4 Call waiting
 - 4.4.5 Sound alert
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 - 4.4.8 Closed user group
 - 4.4.9 Select line
- 4.5 Security settings
 - 4.5.1 PIN code request
 - 4.5.2 Phone lock
 - 4.5.3 Key lock
 - 4.5.4 Call barring
 - 4.5.5 Fixed dial number
 - 4.5.6 Change codes
- 4.6 Network settings
 - 4.6.1 Automatic
 - 4.6.2 Manual
 - 4.6.3 Preferred
- 4.7 Reset settings

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- 5.1 Qiblah direction
- 5.2 View Azan
- 5.3 Azan settings
 - 5.3.1 Azan on/off
 - 5.3.2 Calculation methods
 - 5.3.3 Juristic methods
 - 5.3.4 Azan time display
 - 5.3.5 Selection of Azan times
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- 6.2 Phonebook
 - 6.2.1 Search
 - 6.2.2 Add new
 - 6.2.3 Caller groups
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 - 6.2.5 Voice list
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- 7.1 Games
- 7.2 My folder
 - 7.2.1 Pictures
 - 7.2.2 Sounds
- 7.3 Melody composer
- 7.4 Calculator
- 7.5 Unit converter
- 7.6 World time
- 7.7 Voice recorder
 - 7.7.1 Record
 - 7.7.2 View list
- 7.8 Answering phone
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 - 7.8.2 General
 - 7.8.3 Meeting
 - 7.8.4 Driving
 - 7.8.5 User defined 1
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 - 7.8.7 Recorded messages
 - 7.8.8 Ringing time
- 7.9 Java
 - 7.9.1 Applications
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8. Internet

- 8.1 Home
- 8.2 Bookmarks
- 8.3 Push messages
- 8.4 Profiles
- 8.5 Goto URL
- 8.6 Cache settings
- 8.7 Security certification
- 8.8 Reset profiles
- 8.9 Browser version

9. SIM service

This menu depends on SIM and the network services.



This menu includes functions related to SMS (Short Message Service), MMS (Multimedia Message Service), voice mail, as well as the network's service messages.

Write short message [Menu 1-1]

You can write and edit text message, checking the number of message pages.

1. Enter the **Messages** menu by pressing [Select].
2. If you want to write a new message, select **Write short message**.
3. To make text input easier, use T9. For details, see **How to Use T9** (Page 37).
4. Press [Insert] to attach the followings.
5. If you want to set option for your text, or to finish your writing, press [Options].

Note

- The phone which supports EMS release 5 is available to send colour pictures, sounds, text styles, etc.. The other party may not receive pictures, sounds or text styles you sent properly if the phone does not support such options.

Insert

• Symbol

You can add special characters.

• Pictures

You can insert the **Default** pictures or pictures in **My folder** that are available for short messages.

• Sounds

You can insert sounds that are available for short messages.

- **Text templates**

You can use **Text templates** already set in the phone.

- **Phonebook**

You can add phone numbers or e-mail addresses in **Phonebook**.



- **Business card**

You can add your contact information to the message.

Options

- **Send**

Sends text messages.

1. Enter numbers of recipient.
2. Press  key to add more recipients.
3. You can add phone numbers in the phonebook.
4. Press  after entering numbers.

- **Save**

Stores messages in Outbox.

- **Font**

You can select **Size** and **Style** of fonts.

- **Colour**

You can select **Colour** of foreground and background.

- **Alignment**

You can make the message contents aligned **Right**, **Centre** or **Left**.

- **Add T9 dictionary**

You can add your own word. This menu can be shown only when edit mode is **Predictive (T9Abc/T9abc/T9ABC)**.

- **T9 languages**


Select a T9 input mode.

- **Exit**

If you press **Exit** while writing a message, you can end the writing message and back to the Message menu. The message you have written is not saved.

Write multimedia message [Menu 1-2]

You can write and edit multimedia messages, checking message size.

1. Enter the **Messages** menu by pressing  [Select].
2. If you want to write a new message, select **Write multimedia message**.
3. You can create a new message or choose one of the multimedia message templates already made.
4. Press **Insert** to add **Symbol, Text templates, Phonebook** or **Business card**.

Options

- **Preview**

You can preview multimedia messages you wrote.

- **Send**

You can send multimedia messages to multiple recipients, prioritise your message, and make it sent later as well.

Note

- When you defer sending a message, please contact the service provider. This service depends on network.

- **Save**

You can save multimedia messages in the outbox or as templates.

- **Add slide**

You can add a slide before or after current slide.

- **Move to slide**

You can move to previous or next slide.

- **Delete slide**

You can delete current slides.

- **Set slide format**

- **Set timer**

You can set timer for slide, text, picture and sound.

- **Swap text and picture**

You can switch the position of picture and text of the message.

- **Remove media**

You can remove pictures or sounds in the slide. This option can be shown only when any media exists.

- **Add T9 dictionary**

You can add your own word. This menu can be shown only when edit mode is **Predictive (T9Abc/T9abc/T9ABC)**.

- **T9 languages**

Select a T9 input mode.

- **Exit**



You can back to the **Message** menu.

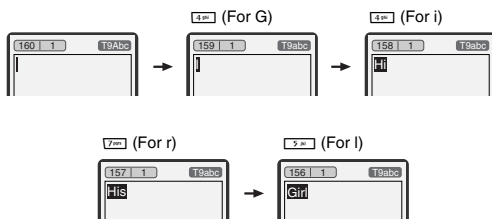
How to Use T9

T9 allows you to input text quickly.


In T9, you only need to press the key with the corresponding letter once. This is based on a built-in dictionary to which you can also add new words.


• Writing words by using T9.


1. Start writing a word by using the keys  to . Press each key only once for one letter. To write for instance 'Girl'.





The word changes after each keystroke. Therefore you shouldn't pay too much attention to how the word appears on the display until you have pressed all the appropriate keys.

To delete a character to the left, press .


To insert several numbers, hold  down and key in the numbers.



If you hold  down, you can change the type of language. (You can also use options.)

Also, the phone supports three modes: **Predictive** (T9Abc, T9ABC, T9abc), **Multitap** (ABC, abc), **Numeric** (123). If you want to change a mode, press  key.


Alternatively: Press  key and select insert symbols. Select the desired character and press **Select**.

- When you have finished writing a word, check whether the word is correct.


If the word is correct: Press  and write the next word.

If the word is not correct: Search by ,  (**Previous** and **Next word**).

Alternatively: If there is no word you want you can add your own word.

Press  [Options] in the Predictive edit mode. Select Add T9 dictionary Menu. You can see the following.



- To insert a punctuation mark, press  repeatedly until the desired mark appears.

T9 languages






- You can select T9 Languages by selecting Menu. In T9 mode, you can also select T9 Off menu. (Default is T9 On)

Inbox [Menu 1-3]

You will be alerted when you have received messages. They will be stored in Inbox.

In Inbox, you can identify each message by icons. For detail, see the icon directive.


! Icon directive

- [] Multimedia message
- [] Short message
- [] SIM message
- [] Read
- [] Notified multimedia message

If the phone shows 'No space for SIM message', you have to delete any SIM messages from inbox or outbox. If the phone displays 'No space for message', you can make space of each repository as deleting messages, media and applications.

* SIM message

SIM message means the message exceptionally stored in SIM card. For notified multimedia message, you have to wait for downloading and processing of the message. For notification setting, see [Menu 1-8-2] for detail.

To read a message, select one of the messages by pressing .

Reply

You can reply to the sender.

Forward

You can forward the selected message to another party.

Return call

You can call back to the sender.

Delete

You can delete the current message.

Extract

You can extract picture, sound and text. They will be saved in My folder or Phonebook.

View information

You can view information about received messages; Sender's address, Subject (only for Multimedia message), Message date & time, Message type, Message size.

Replay (applicable to Multimedia message only)

You can replay multimedia messages.

※ Receive (In case of notification message)





If **Multimedia message** is set to **Auto download off**, you can get only Notification. To receive a message, you need to select [Receive]. Although **Multimedia message** is set to **Auto download on**, on the network condition or other reasons, you can get notification message.

Outbox [Menu 1-4]

You can see sent and unsent messages here. For sent message, you can see the delivery status.

The browsing is same as that for the inbox message.

! Icon directive

- [] Sent
- [] Unsent
- [] Delivery confirmed
- [] SMS sent

* When you already sent the message:

Forward

You can forward the current message to other recipients.

Delete

You can delete the current message.

View information

You can view information about outbox messages; Recipient's address, Subject (only for Multimedia message), Message date & time, Message type, Message size.

! Note

- In case of unsent message, you can edit, send, and delete it. You can also view the information of each message.


Voice mail [Menu 1-5]

You can receive the voicemail if this feature is supported by your network service provider. When a new voicemail is arrived, the symbol will be displayed on the screen. Please check with your network service provider for details of their service in order to configure the phone accordingly.

Listen to voice mail [Menu 1-5-1]

You can listen to voice mail.

Voice mail centre [Menu 1-5-2]

1. Hold down  key in standby mode.
2. You can check the following submenus.

- **Home**

You can listen to voice mails by selecting **Home**.

- **Roaming**

Even when you are in abroad, you can listen to voice mails if roaming service is supported.

Info service [Menu 1-6]

(Dependent to network and subscription)

Info service messages are text messages delivered by the network to GSM. They provide general information such as weather reports, traffic news, taxis, pharmacies, and stock prices. Each type of information has the number; therefore, you can contact service provider as long as you have input the certain number for the information. When you have received an info service message, you can see the popup message to show you that you have received a message or the info service message is directly displayed. To view the message again or not in standby mode, follow the sequence shown below;

Read [Menu 1-6-1]

1. When you have received an info service message and select **Read** to view the message, it will be displayed on the screen. You can read another message by scrolling [Left], [Right] or [Next].
2. The message will be shown until another message is reached.

Receive [Menu 1-6-2]

- **Yes**

If you select this menu, your phone will receive Info service messages.

- **No**

If you select this menu, your phone will not receive Info service messages any more.

Alert [Menu 1-6-3]

- **Yes**

Your phone will beep when you have received Info service message numbers.

- **No**

Your phone will not beep even though you have received info service messages.

Languages [Menu 1-6-4]

You can select the language you want by pressing [On/Off]. Then, the info service message will be shown in the language that you selected.


Topics [Menu 1-6-5]

(Dependent to network and subscription)

- **Add new**

You can add Info service message numbers in the Phone memory with its nickname.

- **View list**

You can see Info service message numbers which you added. If you press  [Options], you can edit and delete info message category which you added.

- **Active list**

You can select Info service message numbers in the active list. If you activate an info service number, you can receive messages sent from the number.

Templates [Menu 1-7]

Text [Menu 1-7-1]

You have 11 text templates. You can change the predefined templates into your favorite ones or fill the <empty>s.

Multimedia [Menu 1-7-2]

You can use the following options.

Edit : You can edit multimedia templates.

Add new : Allows you to add new multimedia templates.

Write message : You can write multimedia messages using multimedia templates.

Delete : You can delete multimedia templates.

Business card [Menu 1-7-3]

You can make your business card. Key in Name, Phone number, Fax number and Email.

Settings [Menu 1-8]

Short message [Menu 1-8-1]

- **Message types**

Text, Voice, Fax, Natl. paging, X.400, E-mail, ERMES

Usually, the type of message is set to **Text**. You can convert your text into alternative formats. Contact your service provider for the availability of this function.

- **Validity period**

This network service allows you to set how long your text messages will be stored at the message centre.

- **Delivery report**

If you set to **Yes**, you can check whether your message is sent successfully.

- **Reply via same service centre**

When a message is sent, it allows the recipients to reply and charge the cost of the reply to your telephone bill.

- **SMS centre**

If you want to send the text message, you can receive the address of SMS centre through this menu.

Multimedia message [Menu 1-8-2]

- **Validity period**

This network service allows you to set how long your text messages will be stored at the message centre.

- **Delivery report**

If it is set to **Yes** in this menu, you can check whether your message is sent successfully.

- **Auto download**

If you select **On**, you receive multimedia messages automatically. If you select **Off**, you receive only notification message in the inbox and then you can check this notification.

- **Network settings**

If you select multimedia message server, you can set URL for multimedia message server.

- **Permitted message types**

Personal : Personal message.

Advertisement : Commercial message.

Information : Necessary information.

Memory status [Menu 1-8-3]

You can check free space and memory usage of each repository, SIM memory. You can go to each repository menu.



Missed calls [Menu 2-1]

This menu shows recently missed numbers. You can call these numbers, save and view the date and the time.

Received calls [Menu 2-2]

This menu shows recently received numbers. You can call these numbers, save and view the date and the time.

Dialled calls [Menu 2-3]

This menu shows recently dialed numbers. You can call these numbers, save and view the date and the time.

All calls [Menu 2-4]

You can save the phone number and check the date, time for a call. Moreover, you can call back to another party.

Delete recent calls [Menu 2-5]






You can delete recent calls of **Missed calls**, **Received calls**, **Dialled calls** or **All calls**.

Call charges [Menu 2-6]

Within these submenus, you can view the duration and the call cost of your calls.






Call duration [Menu 2-6-1]

This function allows you to view the duration of your Last Call, All Calls, Received calls and Dialed calls in hours, minutes and seconds. You can also reset the call timers.

1. Press  [Menu] in standby mode.
2. Press  for direct access or use  and  to enter **Call register**, then select **Call charges**.
3. Scroll to highlight **Call duration** and Press  [Select].

Call costs [Menu 2-6-2]

This function allows you to check the cost of your last call, all calls, remaining and reset the cost. To reset the cost, you need the PIN2 code.

1. Press  [Menu] in standby mode.
2. Press  for direct access or use  and  to enter **Call register**, then select **Call charges**.
3. Scroll to highlight **Call costs** and Press  [Select].



Note

- The actual cost invoiced for calls by your service provider may vary, depending upon network features, rounding-off for billing, tax, and etc.

Settings [Menu 2-6-3] (SIM Dependent)

• Set tariff

You can set the currency type and the unit price. Contact your service providers to obtain charging unit prices. To select the currency or unit in this menu, you need the PIN2 code.

If you want to input €, £, \$ symbol, clear all currency strings and then press  key. If you want to change symbol, press  key again.

! Note

- When all units have been used, no calls can be made except emergency calls. Depending on the SIM card, you need the PIN2 code to set a call cost limit.

• Set credit

This network service allows you to limit the cost of your calls by selected charging units. If you select **Read**, the number of remaining unit is shown. If you select **Change**, you can change your charge limit.

• Auto display

This network service allows you to see automatically the cost of your last calls. If set to **On**, you can see the last cost when the call is released.

GPRS information [Menu 2-7]

You can check the amount of data transferred over the network through GPRS. In addition, you can view how much time you are online.

Call duration [Menu 2-7-1]






You can check the duration of **Last call** and **All calls** and you can also **Reset all** the call timers.

Data volumes [Menu 2-7-2]

You can check the **Sent**, **Received** or **All** data volumes and **Reset all**.



In this menu, you can adjust and customize the phone tones for different events and environments.

1. Press  [Menu] in standby mode.
2. Press  for direct access or use  and .
3. You can also enter this menu directly by pressing  key in standby mode.

Vibrate only [Menu 3-1]

You can adjust the profile as **Vibrate only** if you need vibration mode. In the mode, all kinds of alert are Vibrate or Silent.

Silent [Menu 3-2]

You can adjust the profile as **Silent** if you are in quiet place.

General [Menu 3-3]

You can adjust the profile as **General**.

Loud [Menu 3-4]

You can adjust the profile as **Loud** if you are in a noisy environment.

Headset [Menu 3-5]

You can adjust the profile as **Headset** when you put on a headset.

Note

- Headset profiles can be activated only when Ear microphone put on the handset. However, their properties can be personalised.

Activate [Menu 3-x-1]

Activates the selected Profile.

Personalise [Menu 3-x-2]

Each has the submenus as shown below except for **Vibrate only**.

Call alert type

Allows to select alert type such as Ring, Vibrate, etc. for the incoming for adjusting environment.

Ring tone

Allows to set the ring tone for adjusting environment.

Ring volume

Allows to set the ring volume for adjusting environment. The volume of Power on/off sound and all the alert sounds set according to **Ring volume**.

Message alert type

Allows to alert when receiving a message for adjusting environment.

Message tone

Allows to select the alert tone for message reception.

Keypad volume

Allows to set the keypad volume for adjusting environment.

Keypad tone

Allows to select the keypad tone for adjusting environment.

Auto answer



This function will be activated only when your phone is connected to the headset.

- **Off** : The phone will not answer automatically.
- **After 5 secs**: After 5 seconds, the phone will answer automatically.
- **After 10 secs**: After 10 seconds, the phone will answer automatically.





Settings [Menu 4]

You can set the following menus for your convenience and preferences.

1. Press  [Menu] in standby mode.
2. Press  for direct access to enter **Settings**.

Alarm clock [Menu 4-1]

You can set up to 5 alarm clocks to go off at a specified time.

1. Select **On** and enter the alarm time you want.
2. Select the repeat period : **Once, Mon~Fri, Mon~Sat, Everyday.**
3. Select the alarm tone you want and press  [OK].
4. Edit the alarm name and press  [OK].
5. If you set **Alarm clock** to **Power off alarm** the alarm goes off at a specified time even though the phone is switched off.

Date & Time [Menu 4-2]

You can set functions relating to the date and time.

Set date [Menu 4-2-1]

You can enter the current date.

Date format [Menu 4-2-2]

You can set the Date format such as DD/MM/YYYY, MM/DD/YYYY, YYYY/MM/DD. (D: Day / M: Month / Y: Year)

Set time [Menu 4-2-3]


You can enter the current time.

Time format [Menu 4-2-4]

Your can set the time format between 24-hour and 12-hour.

Daylight saving [Menu 4-2-5]

- **On**

You can apply summer time on your phone directly, press  [Select].

- **Define summer**

You can set a specified period for summer time by typing the date exactly.

- **Off**

You can cancel the daylight saving set.

Phone settings [Menu 4-3]



You can set functions relating to the phone.

Display settings [Menu 4-3-1]

- **Wallpaper**

You can select the background pictures in standby mode.

- **Default**

You can select a picture or an animation of wallpaper by pressing  or .

- **My folder**

You can select a picture or an animation as wallpaper.

- **Incoming calls**

You can set the animation as getting a call.

- **Outgoing calls**

You can set the animation as making a call.

- **Greeting note**

If you select **On**, you can edit the text which is displayed in standby mode.

- **Backlight**

You can set the light-up duration of the Internal display.

- **LCD contrast**

You can set the brightness of LCD by pressing [F, J].

- **Information window**

You can preview the current state of the selected menu before open the menu. The state is shown at bottom of the display.

- **Menu colour**

You can select the preferred menu colour among various combination.

Language [Menu 4-3-2]

You can change the language for the display texts in your phone. This change will also affect the Language Input mode.

LED indicator [Menu 4-3-3]

If you select **On**, you can set LED indicator blinking which is noticed phone's status.

Call settings [Menu 4-4]

You can set the menu relevant to a call by pressing [F] [Select] in the Setting menu.

Call divert [Menu 4-4-1]

The Call divert service allows you to divert incoming voice calls, fax calls, and data calls to another number. For details, contact your service provider.

- **All voice calls**

Diverts voice calls unconditionally.

- **If busy**

Diverts voice calls when the phone is in use.

- **If no reply**

Diverts voice calls which you do not answer.

- **If out of reach**

Diverts voice calls when the phone is switched off or out of coverage.

- **All data calls**

Diverts to a number with a PC connection unconditionally.

- **All fax calls**

Diverts to a number with a fax connection unconditionally.

- **Cancel all**

Cancels all call divert service.

The submenus

Call divert menus have the submenus shown below.

- **Activate**

Activate the corresponding service.

- To voice mail centre**

Forwards to message centre. This function is not shown at All data calls and All fax calls menus.

- To other number**

Inputs the number for diverting.

- To favourite number**

You can check recent 5 diverted numbers.

- Cancel

Deactivate the corresponding service.


- View status

View the status of the corresponding service.


Answer mode [Menu 4-4-2]**• Slide open**

If you select this menu, you can receive an incoming call by sliding open the keypad.

• Press any key

If you select this menu, you can receive a call by pressing any key except  [End] key.

• Send only

If you select this menu, you can receive a call by only pressing  [Send] key.

Send my number [Menu 4-4-3]**(network and subscription dependent)****• On**

You can send your phone number to another party. Your phone number will be shown on the receiver's phone.

• Off

Your phone number will not be shown.

• Set by network

If you select this, you can send your phone number depending on two line service such as line 1 or line 2.

Call waiting [Menu 4-4-4] (network dependent)

- **Activate**

If you select Activate, you can accept a waiting (receiving) call.

- **Cancel**

If you select Cancel, you cannot recognize the waiting (receiving) call.

- **View status**

Shows the status of Call waiting.

Sound alert [Menu 4-4-5]

- **Minute minder**


If you select **On**, you can check the call duration by deep sound every minute during a call.

- **Connection alert**

If you set **On**, the phone will sound the alert tone when you connect with network.

Voice dial [Menu 4-4-6]

- **Automatic** : Use this to enter voice-activated dialling mode whenever you slide the keypad down.

- **Manual** : Use this to enter voice-activated dialling mode by holding  key.

Auto redial [Menu 4-4-7]

- **On**

When this function is activated, the phone will automatically try to redial in the case of failure to connect a call.

- **Off**

Your phone will not make any attempts to redial when the original call has not connected.

Closed user group [Menu 4-4-8]

(network dependent)

Restricts usage of the phone with numbers that belong to certain user groups. When this function is used, every outgoing call is associated with a group index. If a group index is specified, it is used for all outgoing calls. If no group index is specified, the network will use the preferential index (a specific index that is stored in the network).
* CUG = Closed User Group

Default : Activate the default group agreed on with the network operator.

Set : Setting the selected CUG Index.

Edit : Editing the CUG name and CUG Index.

Delete : Deleting the selected CUG.

Delete all : Deleting All CUG.

Select line [Menu 4-4-9]

This function is only used if Two Line Service is supported by the Service Provider. (If this function is supported by your service provider, the following menu will be displayed.)


- **Line 1**

- **Line 2**

Security settings [Menu 4-5]

PIN code request [Menu 4-5-1]

In this menu, you can set the phone to ask for the PIN code of your SIM card when the phone is switched on. If this function is activated, you'll be requested to enter the PIN code.

1. Select PIN code request in the security settings menu, and then press  [Select].
2. Set **On/Off**.
3. If you want to change the setting, you need to enter PIN code when you switch on the phone.
4. If you enter wrong PIN code more than 3 times, the phone will lock out. If the PIN is blocked, you will need to key in PUK code.
5. You can enter your PUK code up to 10 times. If you put wrong PUK code more than 10 times, you can not unlock your phone. You will need to contact your service provider.

Phone lock [Menu 4-5-2]

You can use security code to avoid unauthorized use of the phone. Whenever you switch on the phone, the phone will request security code if you set phone lock to “**On**”. If you set phone lock to “**Automatic**”, your phone will request security code only when you change your SIM card.

Key lock [Menu 4-5-3]

This function is only available in the status of the sliding keypad down.



• **Automatic**

- **Enable:** Press [Select], then phone is in lock state after 25 seconds in standby mode with the sliding keypad up.
- **Disable:** Press [Select], then Key lock mode is deactivated.

• **Immediately**

Set the phone immediately in the lock state in standby mode with the sliding keypad up.

Note

- To deactivate key lock, you should press  [Unlock] then press  key or slide the keypad down.

Call barring [Menu 4-5-4]

The Call barring service prevents your phone from making or receiving certain category of calls. This function requires the call barring password. You can view the following submenus.

- **All outgoing**

The barring service for all outgoing calls.

- **Outgoing international**

The barring service for all outgoing international calls.

- **Outgoing international except home country**

The barring service for all international outgoing calls except home network.

- **All incoming**

The barring service for all incoming calls

- **Incoming when abroad**

The barring service for all incoming calls when roaming

- **Cancel all**

You can cancel all barring services.

- **Change password**

You can change the password for Call Barring Service.

Each all barring menu has following submenus:

- **Activate**

Allows to request the network to set call restriction on.

- **Cancel**

Set the selected call restriction off.

- **View status**

Check if the calls are barred or not.

Fixed dial number [Menu 4-5-5] (SIM dependent)

You can restrict your outgoing calls to selected phone numbers. The numbers are protected by your PIN2 code.

- **Activate**

You can restrict your outgoing calls to selected phone numbers.

- **Cancel**

You can deactivate fixed dialling function.


- **Number list**

You can view the number list saved as Fixed dial number.

Change codes [Menu 4-5-6]

PIN is an abbreviation of Personal Identification Number used to prevent use by only unauthorized person.

You can change the access codes: **PIN code**, **PIN2 code**, **Security code**.

1. If you want to change the Security code/PIN/PIN2 code input your original code, and then press  [OK].
2. Input new Security code/PIN/PIN2 code and verify them.

Network settings [Menu 4-6]

You can select a network which will be registered either automatically or manually. Usually, the network selection is set to **Automatic**.

Automatic [Menu 4-6-1]

If you select Automatic mode, the phone will automatically search for and select a network for you. Once you have selected **Automatic**, the phone will be set to "Automatic" even though the power is off and on.

Manual [Menu 4-6-2]

The phone will find the list of available networks and show you them. Then you can select the network which you want to use if this network has a roaming agreement with your home network operator. The phone let you select another network if the phone fails to access the selected network. If you switch off the phone, the phone will be reset to **Automatic**.

Preferred [Menu 4-6-3]



You can set a list of preferred networks and the phone attempts to register with first, before attempting to register to any other networks. This list is set from the phone's predefined list of known networks.

Reset settings [Menu 4-7]

You can initialize all factory defaults. You need Security code to activate this function.



This menu informs the direction of Makkah (Qiblah) for a prayer. If you set the each sub menu manually, you can recognise the direction conveniently wherever you are.

1. Press  [Menu] in standby mode.
2. Press  for direct access for use and to enter **Salah**.

! Note

- At first, start with calibrating in [Menu 5-1]. If you access this function without calibrating, it may not function correctly.
- Recommended to be used outdoor. If used indoors, Qiblah direction may be affected by electronic appliances (such TV, Radio, Monitor and so on) and may not function properly.
- Do not place magnetic and metal materials around phone during calibration.
- During [Calibrate], your phone should remain flat on the wooden or glass desk.
- When you change your place by transportation, you must do [Calibrate] to get correct direction.
- As the difference of a region and calculated methods, the alert time may have an error 1~2 minute.

Qiblah direction [Menu 5-1]



The arrow indicates Makkah direction.




Options

- **Set as wallpaper**

You can select Qiblah direction as wallpaper in standby display.

- **Calibrate**

In this Menu, you can get a right direction by calculating wherever you are.



1. Press  [Select].
2. The message, 'Your phone should remain flat for right direction' is appeared in the display screen. Then press  [Calibrate].
3. Turn your phone round 3~5 times on a flat place.
4. Then press  [Done].



- **Reset**

You can reset Qiblah direction to the factory default.

View Azan [Menu 5-2]

In this menu, you can see the Azan times. Before you use this function, you should set **City Setting** [Menu 5-4] for correct information.

Using  ,  : Move to previous / next month

 ,  : Move to yesterday / tomorrow

Azan settings [Menu 5-3]

Azan on/off [Menu 5-3-1]

- **On**

If you select **On**, you can set the alert time, at Azan (Fajr, Dhuhr, Asr, Maghib and Isha) and Shuruq. After alarming, your phone will automatically activate Silent mode in profiles.

- **Off**

You can cancel setting the Azan Alarm.

Calculation methods [Menu 5-3-2]

There are five different calculation methods to calculate the Fajr and Isha prayer timings. You should choose one of calculation methods according to your Region. For details, see the table as follows.

Juristic methods [Menu 5-3-3]

In this menu, you can choose the Juristic method between **Standard** and **Hanafi**. For details, see the table as follows.



Continent	Country	Calculation methods	Juristic methods
Africa	Algeria	Muslim World League	Standard
	Comoros	Muslim World League	
	Djibouti	Muslim World League	
	Egypt	Egyptian General Authority of Survey	
	Kenya	Muslim World League	
	Libya	Muslim World League	
	Mauritania	Muslim World League	
	Morocco	Muslim World League	
	Nigeria	Muslim World League	
	Somalia	Muslim World League	
	South Africa	Muslim World League	
	Sudan	Muslim World League	
	Tunisia	Muslim World League	
Asia	Afghanistan	Muslim World League	
	Azerbaijan	Muslim World League	
	Bahrain	Umm Al-Qura Committee	
	Iran	Muslim World League	
	Iraq	Muslim World League	
	Jordan	Muslim World League	
	Kazakhstan	Muslim World League	
	Kuwait	Umm Al-Qura Committee	
	Kyrgyzstan	Muslim World League	
	Lebanon	Muslim World League	
	Malaysia	Muslim World League	
	Oman	Umm Al-Qura Committee	
	Pakistan	"University Of Islamic Sciences, Karachi"	
	Qatar	Umm Al-Qura Committee	
	Saudi Arabia	Umm Al-Qura Committee	
	Syria	Muslim World League	
	Tajikistan	Muslim World League	
	Turkey	Muslim World League	
	United Arab Emirates	Umm Al-Qura Committee	
	Uzbekistan	Muslim World League	
	Yemen	Umm Al-Qura Committee	

Azan time display [Menu 5-3-4]

• On/Off

If you select **On**, you can see the Azan timetable in standby display.

Selection of Azan times [Menu 5-3-5]

1. Scroll to highlight each Azan clock, press  [On/Off].
2. You select more than one among **Fajr**, **Shuruq**, **Dhuhr**, **Asr**, **Maghrib** and **Isha**, then press  [Save].

City setting [Menu 5-4]



This menu allows setting the city where you are.

Activate

Press [Select] to activate the city that you selected.

Search

You can search a city which you want within only city database in a phone. If you didn't find a city, you can set a city and calculate latitude and longitude manually in **Manual set** [Menu 5-4-3].

1. Input the city name or press [List] for searching the city you want.
2. Scroll to highlight by using  ,  key.
3. Press [Select].

Manual set

• Edit name



You can type a city name that you want to see the Azan time.

• Latitude & longitude



You can set a city with calculating a latitude & a longitude by typing a number manually. See the inner supplement to check Longitude & Latitude in your city.

Using  ,  : Move to Latitude/Longitude

 ,  : Move to North/South and East/West


• Timezone set

To get correct information about the city which you set, you should type specific time by Greenwich Mean Time (GMT).

For details, see the inner supplement to check Greenwich Mean Time (GMT) for your city.

Daylight saving

• On

You can apply summer time on your phone directly, press  [Select].

• Off

You can cancel the daylight saving set.











Organiser [Menu 6]

Scheduler [Menu 6-1]

When you enter this menu a Calendar will show up. On top of the screen there are sections for date. Also on bottom of the screen there are sections for icons (schedule, memo). Whenever you change the date, the calendar will be updated according to the date. And square cursor will be used to locate the certain day. If you see under bar on the calendar, it means that there is a schedule or memo that day. This function helps to remind you of your schedule and memo. The phone will sound an alarm tone if you set this for the note.

For changing the day, month, and year.

Key	Description	Key	Description
 	Yearly	 	Weekly
 	Monthly	 	Daily



Add new [Menu 6-1-1]

You can edit maximum 39 characters and take up to 20 notes.





- **Schedule**

Input the subject, the schedule time, the repeat, the alarm by pressing allowed keys.




- **Memo**

1. Select **Add new** by pressing  [Select].
2. Press **Memo**.
3. Input the memo and then press  [OK].

View [Menu 6-1-2]

Shows the note for the chosen day. Use  ,  to browse through the note lists. If you set alarm for the note, Alarm watch is displayed. At that time, if you press  [Select], you can see the note in detail. Press  [Options] to delete, edit the note you selected.

View all [Menu 6-1-3]

Shows the notes that are set for all days. Use  ,  to browse through the note lists. You can use the same menu as **View** by pressing  [Options].



Delete past [Menu 6-1-4]

You can delete the past schedule that has been already notified you.

Delete all [Menu 6-1-5]



You can delete for the all note(s).



Phonebook [Menu 6-2]

1. To use **Phonebook**, press  [Names] in standby mode.
2. To use **Phonebook**, press  [Menu] in standby mode and select **Organiser**.

Search [Menu 6-2-1]

(Calling from phonebook)

1. In standby mode, press  [Names].
2. **Search** by pressing  [Select].
3. Enter the name whose phone numbers or e-mail address you want to search or Select 'List' to view phonebook.



4. Instant searching is available by inputting the initial letter of the name or number you want to search.
5. If you want to edit, delete, copy an entry, or to add the voice to one, select  [Options]. The following menu will be displayed.
 - **Edit:** You can edit the name, number, E-mail and fax by pressing  [OK].
 - **Write messages:** After you have found the number you want, you can send a message to the selected number.
 - **Copy:** You can copy an entry from SIM to phone or from phone to SIM.
 - **Voice:** You can add the voice to the entry or change the voice tag.
 - **Main number:** You can select the one out of mobile, home, office that you often use. The main number will be displayed first, if you set this.
 - **Delete:** You can delete an entry.









Add new [Menu 6-2-2]

You can add phonebook entry by using this function.

Phone memory capacity is 200 entries. SIM card memory capacity depends on the cellular service provider.

You can also save 20 characters of name in The Phone memory, and save characters in the SIM card. The number of character is SIM dependent feature.

1. Open the phonebook first by pressing  [Names] in standby mode.
2. Scroll to highlight **Add new**, and press  [Select].

3. Select the memory you want to save: **SIM** or **Phone**. If set to Phone, you need to select which number you want as Main number.
 - a. Press  [Select] to input a name.
 - b. Press  [OK], then you can input a number.
 - c. Press  [Save].
 - d. You can set a group for the entry by pressing  , :
 - e. You can set a character for the entry by pressing  , . The chosen character will be shown on display when receiving call from the selected name.
 - f. If you want to add the voice, press  [Yes].




You should speak words within 2 seconds, and the phone asks you to speak it again to ensure the accuracy of voice recognition. After voice recognition has finished, Voice is attached successfully.

Note

- The voice can only be attached to the main number which you set. For example, if you change the main number, voice will be automatically attached to the changed number. This means that you cannot attach voice to mobile, office, home number simultaneously.
- You can add voice tag to phone number in SIM card. The voice tag can be erased if you remove or change SIM card.

Caller groups [Menu 6-2-3]

You can list up to 20 members per one group. There are 7 groups you can make lists to.

1. In standby mode, press  [Names].
2. Scroll to **Caller groups** item then press  [Select], and every Group list will be displayed.
3. Select Group name you want by pressing  [Select].

- **Member list**

Shows the group members you have selected.

- **Group ring tone**

Allows you to specify ring tone for the group members' call.

- **Group icon**

Allows you to select the icon dependent on Group.

- **Add member**

You can add group members. Each group member shouldn't be exceeded 20.



- **Remove member**



You can remove the member from the Group member list. But the name and the number still remain in phonebook.

- **Rename**

You can change a group name.

Speed dials [Menu 6-2-4]

You can assign any of the keys,  to  with a Name list entry. You can call directly by pressing this key for 2-3 seconds.

1. Open the phonebook first by pressing  [Names] in standby mode.
2. Scroll to **Speed dials**, then press  [Select].
3. If you want to add Speed dial, select **<Empty>**. Then, you can search the name in phonebook.
4. Select allocated a name by speed dial, and choose **Change** or **Delete** to edit the name.




• Change

You can allocate a new phone number to the dial key.

• Delete





You can remove the allocated phone number from the dial key.

Voice list [Menu 6-2-5]

You can see all phone numbers which contain voice. After selecting phone number by using  and  and press  [Options], you can see the following submenus.



- **Play** : You can play voice which is attached to phone number.
- **Change** : You can change voice.
- **Delete** : You can delete voice.
- **Call** : You can call by selecting this menu.

Settings [Menu 6-2-6]

1. Press  [Names] in standby mode.
2. Scroll to **Settings**, then press  [Select].
 - **Set memory**
 Scroll to highlight **Set memory**, then press  [Select].
 - If you select **Variable**, when adding entry, the phone will ask where to store.
 - If you select **SIM** or **Phone**, the phone will store an entry to SIM or phone.
 - **Search by**
 Scroll to highlight **Search by**, then press  [Select].
 - If you select **Variable**, the phone will ask how to search.
 - If you select **Name** or **Number**, the phone will search an entry by Name or Number.

Copy all [Menu 6-2-7]

You can copy/move entries from SIM card memory to Phone memory and vice versa.

1. Open the Phonebook first by pressing  [Names] in standby mode.
2. Scroll to **Copy all**, then press  [Select] to enter this menu.
 - **SIM to Phone:** You can copy the entry from SIM Card to Phone memory.
 - **Phone to SIM :** You can copy the entry from Phone memory to SIM Card.

The submenus

- **Keep original**





When copying, Original Dial Number is kept.

- **Delete original**

When copying, Original Dial Number will be erased.

Delete all [Menu 6-2-8]






You can delete all entries in **SIM**, **Phone**, and **Voice**. This function requires Security code except for voice.

1. Press  [Names] in standby mode and select Delete all, press  [Select].
2. Then select a memory to erase.
3. Enter security code and Press  [OK] or  [Back].

Information [Menu 6-2-9]




- **Service dial number**

Use this function to access a particular list of services provided by your network operator (if supported by the SIM card).

1. Open the phonebook first by pressing  [Names] in standby mode and select **Information**.
2. Scroll to **Service dial number**, then press  [Select] to enter.
3. The names of the available services will be shown.
4. Use  and  to select a service. Press  [Send].

- **Memory status**

This feature allows you to see how many free and in-use are in your phonebook.






1. Open the phonebook first by pressing  [Names] in standby mode. Select **Information** by pressing  [Select].
2. Scroll to **Memory status**, then press  [Select].

- **Own number list (SIM dependent)**

You can check your own number in SIM card.

Calendar setting [Menu 6-3]

You can choose a type of calendar for Muslim (**A.D.**, **Hijriyya** and **Farsi**) by using this function.

1. Press [Menu] in standby mode.
2. Press  for direct access to enter Organiser.
3. Scroll to **Calendar setting**, then press  [Select] to enter.
4. Use  and  to select a type of calendar, press  [Select].



Games [Menu 7-1]


The phone offers you the games to play with.


Note

- The control keys are different depending on a game. However, each one has an introduction to explain the main control keys. The rest ones are as follows.

[Common Key Function]

 : Game menu

 : Back

 : Pause or resume a game

My folder [Menu 7-2]

Enables you to view the downloaded pictures and sounds. They can be set as Wallpaper or Ring tone. You can view, listen, delete or rename downloaded data.

Pictures [Menu 7-2-1]

Sounds [Menu 7-2-2]

The Submenus

• Edit title

You can edit the title for each download contents.

• Write message

You can write Short message/Multimedia message (available depending on type of Media) with attachment pictures or sounds.

- **Set as Wallpaper / Set as ring tone**

You can set downloaded sounds or pictures as Ring tone or wallpaper.

- **Delete**

You can delete each downloaded content.

- **Delete all**

You can delete all downloaded contents except for Sounds.

Melody composer [Menu 7-3]




You can compose a ring tone melody which you want. When you enter this function, the tones that you composed before are played. To enter a new or edit an existing tone:

1. Enter the desired notes. (~ : CDEFGAB)
2. To adjust the characters of the note, do as follows:
 - **Duration** : shortens and lengthens the duration of the note or rest.
 - **Rest** : inserts a rest of the same duration as the previous note.
 - **Octave** : sets the octave for new notes.
 - **Sharp note** : makes the note sharp.

Calculator [Menu 7-4]







This contains the standard functions such as $+$, $-$, $*$, \div : **Addition**, **Subtraction**, **Multiplication**, and **Division**.

1. Input the numbers by pressing numeric keys.
2. Use a navigation key to select a sign for calculation.
3. Then input the numbers.
4. Press [Result] to view the result.
5. Press [Reset] or enter numbers to repeat the procedure above.
6. Use key to erase any numbers or signs.

- If you press  key, you can input a minus number. In addition, if you press  key, you can input a decimal number.
- To end **Calculator**, press  [Back].




Unit converter [Menu 7-5]

This converts any measurement into a unit you want. There are 4 types that can be converted into units: **Length, Area, Weight, and Volume.**

- You can select one of four unit types by pressing  [Unit] key.
- Select the standard value by using  , .
- Select the unit you want to convert by pressing  and .
- You can check the converted value for the unit you want. Also, you can input a decimal number by pressing .

World time [Menu 7-6]



You can view clocks of the world's major cities.

- Select the city belonged to the time zone by pressing  ,  key.
- You can set the current time to the city time you select by pressing  [Set].

Voice recorder [Menu 7-7]

The voice memo feature you to record up to 10 voice messages and each memo is up to 15 Seconds.

Record [Menu 7-7-1]

- You can record voice memo in Voice recorder menu.
- Once recording is started, the message Recording and the remaining time is displayed.
- If you want to finish recording, press  [Save].
- Key in Voice memo title, press  [OK].

View list [Menu 7-7-2]

The phone shows voice memo list. You can **Playback** and **Delete** the recorded voice memo.

Answering phone [Menu 7-8]

Allow you to set your phone into automatic answering mode for adjusting environment.

Answering off [Menu 7-8-1]

Allow you to inactivate the answering phone mode.

General [Menu 7-8-2]

You can adjust the answering phone mode as General.

Meeting [Menu 7-8-3]

You can adjust the answering phone mode as Meeting.

Driving [Menu 7-8-4]

You can adjust the answering phone mode as Driving.

User defined 1, 2 [Menu 7-8-5/6]

You can personalize answering phone mode, as you want by recording your voice.

The submenus [Menu 7-x-x]

- **Activate**

Allows to Activate answering phone mode, which you selected.

- **Listen to voice guide**

Allow you to listen to current voice guide, which you selected.

- **Record new voice guide**

Allow you to record new voice guide for 15 seconds when you select User defined menu.

Recorded messages [Menu 7-8-7]

It shows the list of recorded messages including recorder's name and recorded time at the bottom of the screen.

- **Play**

You can listen the recorded voice messages.

- **Delete**

You can delete the listened voice messages.

- **Call**

You can call back to the caller who leave voice message by using this function.

- **Save**

You can save phone number from the recorded voice messages.

- **Write short message**

You can send a short text message to the caller who leave voice message.

- **Write multimedia message**

You can send a multimedia message to the caller who leave voice message.

Ringing time [Menu 7-8-8]

Allow you to set your phone when the answering mode will be activated.

- **After 1 ring**

After 1 ring your phone will be activated to answering phone mode.

- **After 3 rings**

After 3 rings your phone will be activated to answering phone mode.

- **After 5 rings**

After 5 rings your phone will be activated to answering phone mode.

Java [Menu 7-9]

Applications [Menu 7-9-1]

Java Menu Options

Scroll to an application and select Options.

1. **Open:** Launches the selected MIDlet.
2. **Delete:** Deletes the selected MIDlet.
3. **Update:** Accesses the server and updates the selected MIDlet.
4. **Information:** Displays information about the selected MIDlet.
5. **Phone settings:** Allows you to set backlight and sound for java game.

Download [Menu 7-9-2]

You can edit and set MIDlet server address. Download MIDlets using WAP Browser and store them in the phone. You can also view the list of MIDlets stored on the Applications screen.

Memory status [Menu 7-9-3]

Shows the size of memory available for game and application installations. You can also see the whole memory status of Handset.



JAVA™ is a trademark of Sun Microsystems, Inc.





The phone supports services based on Wireless Application Protocol (WAP). You can access services supported by your network. The services menu allows you to get the information such as news, weather reports, and flight times.

Home [Menu 8-1]

Connect to a homepage. The homepage may be the site which is defined in the activated profile. It will be defined by Service Provider if you don't make in activated profile.

Bookmarks [Menu 8-2]

Press  [Select] to access available options, or press  [Back] to exit.

- **Connect** : Connect to the selected bookmark.
- **Add new** : Add a new bookmark manually.
- **Edit** : Edit the title and the address of the selected bookmark.
- **Delete** : Delete the selected bookmark from the bookmark list.

Push messages [Menu 8-3]

Inbox [Menu 8-3-1]


You can read or delete push messages.

- **Information** : Show the information of received push messages.
- **Load** : You can connect to a specific site using the information in the received push message.
- **Delete** : Delete the selected push message.

Receive [Menu 8-3-2]

You can set the option whether you will receive the message or not.

Profiles [Menu 8-4]

You can make up to 10 profiles and activate only one out of them. Scroll to the desired profile and press  to access available options.

- **Activate**

You can activate the profile you want.

- **Settings**

You can edit and change WAP settings of the selected profile.

- **Homepage**

This setting allows you to enter the address (URL) of a site you want to use as homepage. You do not need to type “http://” at the front of each URL as the WAP Browser will automatically add it.

- **Bearer**

You can set the bearer data service.

- **Data**

- **GPRS**

- **Data settings**

Appears only if you select Data settings as a Bearer\service.

IP address : Enter the IP address of the WAP gateway you want.

Dial number : Enter the telephone number to dial to access your WAP gateway.

User ID : The users identity for your dial-up server (and NOT the WAP gateway).

Password : The password required by your dial-up server (and NOT the WAP gateway) to identify you.

Call type : Select the type of data call: Analogue or Digital (ISDN).

- Call speed** : The speed of your data connection; 9600 or 14400.
- Linger time** : You need to enter timeout period. After entering that, the WAP navigation service will be unavailable if any data is not input or transferred.

- GPRS settings

The service settings are only available when GPRS is chosen as a bearer service.

- IP address** : Input the IP address of the WAP gateway you access.
- APN** : Input the APN of the GPRS.
- User ID** : The users identify for your APN server.
- Password** : The password required by your APN server.

- Display image

You can select whether images on WAP cards are displayed or not.

- Connection type

The options for connection type are Temporary or Continuous and depend on the gateway you are using.

Continuous

A confirmed delivery mechanism but generates more network traffic.

Temporary

A non-confirmed (connectionless) service.

- Secure settings

According to the used gateway port, you can choose this option as **On** or **Off**.

- **Rename**

Edit the Profile Name.

- **Delete**

Delete the Profile.

- **Add new**

You can add a new profile manually.

- **Email server**

- **Connect**

Connect to the E-mail server that you configured.

- **Edit address**

Edit the E-mail address.

Goto URL [Menu 8-5]

You can directly connect to the site you want. You need to enter a specific URL.

Cache settings [Menu 8-6]

You can remove the contents of Cache memory or change the Cache mode.

Clear cache [Menu 8-6-1]

The contents of Cache memory will be removed.

Check cache [Menu 8-6-2]

You can set the option whether you will check the cache memory or not.

Security certification [Menu 8-7]

A list of the available certificates is shown.

Reset profiles [Menu 8-8]

You can reset profiles to return to original settings.

Browser version [Menu 8-9]

The WAP Browser version is displayed.



On browsing menu

If you are on line, you can view the following menus.

- **Home**

Refer to [Menu 8-1].

- **Reload**

Reloads the current page.

- **Bookmarks**

See [Menu 8-2].

- **Save as bookmark**

You can save a site as bookmark.

- **Messages**

During Wap connection, you can see the Short messages.

- **Push messages**

See [Menu 8-3].

- **Goto URL**

You can move to the site you want. In this menu, you can also edit the site address.

- **Goto email server**

You can move to the E-mail server that you configured.

- **Set as email server**

You can set the address of current site as E-mail server.

- **Clear cache**

The contents of cache memory will be removed.

- **Save Images**

You can save the image which is provided by the WAP.



Your service provider can offer special application through SIM card, such as home banking, stock market, etc. If you are registered for one of these services, the service name will appear at the end of the main menu. With the SIM service menu, your phone is future-proof and will support additions to your service provider's service. For further information, contact your service provider.



Accessories

There are various accessories for your mobile phone. You can select these options according to your personal communication requirements.



Standard Battery



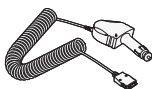
Portable Handsfree

This connects to your phone, allowing handsfree operation.



Travel Adapter

This charger allows you to charge the battery while away from home or your office.



Cigar Lighter Adapter

You can operate the phone and trickle charge the phone's battery from your vehicle by using the cigarette lighter charger.



CD/Data cable

You can connect your phone to PC to exchange the data between them.

Note

- Always use genuine LG accessories.
- Failure to do this may invalidate your warranty.
- Accessories may be different in different regions; please check with our regional service company or agent for further enquires.



General

Product name : F7100

System : GSM 900 / DCS 1800

Ambient Temperatures

Max : +55°C

Min : -10°C

Declaration of Conformity



LG Electronics

Suppliers Details

Name

LG Electronics Inc

Address

LG Electronics Inc. LG Kang-nam Tower
679, Yoksam-dong, Kangnam-gu, Seoul, Korea

Product Details

Product Name

E-GSM 900 / GSM 1800 Dual Band Terminal Equipment

Model Name

F7100

Trade Name

LG

Applicable Standards Details

R&TTE Directive 1999/5/EC

EN 301 489-7 : 2002

EN 60950 : 2001

EN 50360 : 2001

3GPP TS 51.010-1,

Selection according to GCF-CC 3.12.0 including requirements of EN 301 511, v7.0.1

Supplementary Information

Declaration

I hereby declare under our sole responsibility that the product mentioned above to which this declaration relates complies with the above mentioned standards and Directives

Name

Issued Date

Jin Seog, Kim / Director

10.May.2004

Signature of representative

LG Electronics Inc. Amsterdam Office
Veluwezoom 15, 1327 AE Almere, The Netherlands
Tel : +31 - 36- 547 - 8940, e-mail : seokim @ lge.com





Memo





Memo

City list

The following **city list** indicates the Latitude & Longitude and Greenwich Mean Time (GMT) to set
City setting [Menu 5-2].

⊕ E: East, W: West, S: South, N: North

Continent	Country/City	Latitude	Longitude	Time Zone	Continent	Country/City	Latitude	Longitude	Time Zone
Africa	Algeria				Libya	Kakamega	0N	34E	GMT +3
	Adrar	27N	0W	GMT +1		Kisii	0S	34E	GMT +3
	Ain Defla	36N	1E	GMT +1		Kisumu	0S	34E	GMT +3
	Ain safra	32N	0W	GMT +1		Kitale	1N	35E	GMT +3
	Algiers	36N	3E	GMT +1		Konza	1S	37E	GMT +3
	Annaba	36N	7E	GMT +1		Lodwar	3N	35E	GMT +3
	Batna	35N	6E	GMT +1		Makindu	2S	37E	GMT +3
	Bechar	31N	2W	GMT +1		Malindi	3S	40E	GMT +3
	Bejaia	36N	5E	GMT +1		Meru	0N	37E	GMT +3
	Beni Abbes	30N	2W	GMT +1		Mombasa	4S	39E	GMT +3
	Biskra	34N	5E	GMT +1		Nairobi	1S	36E	GMT +3
	Bordj Bou Arreridj	36N	4E	GMT +1		Nakuru	0S	36E	GMT +3
	Bouira	36N	3E	GMT +1		Thika	1S	37E	GMT +3
	Bou-Saada	35N	4E	GMT +1		Voi	3S	38E	GMT +3
	Chlef	36N	1E	GMT +1		Wajir	1N	40E	GMT +3
	Constantine	36N	6E	GMT +1					
	Djanet	24N	9E	GMT +1		Libya			
	Djelfa	34N	3E	GMT +1		Benghazi/Benina	32N	20E	GMT +2
	El Golea	36N	2E	GMT +1		Dirj	30N	10E	GMT +2
	El Oued	33N	6E	GMT +1		Ghadamis	30N	9E	GMT +2
	Ghardaia	32N	3E	GMT +1		Ghat	24N	10E	GMT +2
	Hassi-Messaoud	31N	6E	GMT +1		Hon	29N	16E	GMT +2
	Illizi	26N	8E	GMT +1		Kufra	25N	14E	GMT +2
	In Amenas	28N	9E	GMT +1		Misratah	32N	15E	GMT +2
	In Salah	27N	2E	GMT +1		Murzuq	25N	14E	GMT +2
	Jijel	36N	5E	GMT +1		Taraghin	25N	14E	GMT +2
	Mascara	35N	0E	GMT +1		Tripoli	33N	13E	GMT +2
	Mecheria	33N	0W	GMT +1	Mauritania				
	Medea	36N	2E	GMT +1		Atar	20N	13W	GMT
	Meghnia	34N	1W	GMT +1		Beila	18N	15W	GMT
	Mostaganem	35N	0E	GMT +1		Cansado	20N	17W	GMT
	Oran	35N	0W	GMT +1		Nouadhibou	20N	17W	GMT
	Ouargla	32N	5E	GMT +1		Nouakchott	18N	15W	GMT
	Relizane	35N	0E	GMT +1	Morocco				
	Setif	36N	5E	GMT +1		Agadir	30N	9W	GMT
	Sidi bel abbas	35N	2W	GMT +1		Al Hoceima	35N	3W	GMT
	Skikda	36N	6E	GMT +1		Asilah	35N	6W	GMT
	Tamanrasset	22N	5E	GMT +1		Beni-Mellal	32N	6W	GMT
	Tebessa	35N	8E	GMT +1		Berkane	34N	2W	GMT
	Tenes	36N	1E	GMT +1		Casablanca	33N	7W	GMT
	Tiaret	35N	1E	GMT +1		Dakhla	24N	16W	GMT
	Timimoun	29N	0E	GMT +1		El Jadida	33N	8W	GMT
	Tindouf	27N	8W	GMT +1		Errachidia	32N	4W	GMT
	Tizi ouzou	36N	4E	GMT +1		Es Semara	32N	8W	GMT
	Tlemcen	35N	1W	GMT +1		Essaouira	31N	9W	GMT
	Tougourt	33N	6E	GMT +1		Fes	34N	4W	GMT
						Goulmim	31N	4W	GMT
	Comoros					Kasba-Tadla	32N	6W	GMT
	Dzaoudzi	12S	45E	GMT +3		Kenitra	34N	6W	GMT
	Dzaoudzi/Pamanzi	12S	45E	GMT +3		Khouribga	32N	6W	GMT
	Moroni/Hahaya	11S	43E	GMT +3		Ksar El Kbir	35N	6W	GMT
						Ksar Sghir	36N	5W	GMT
	Djibouti					Laayoune	28N	12W	GMT
	Djibouti	11N	43E	GMT +3		Larache	35N	6W	GMT
						Marrakech	31N	8W	GMT
	Egypt					Meknes	33N	5W	GMT
	Alexandria	31N	30E	GMT +2		Midar	34N	3W	GMT
	Armant	25N	32E	GMT +2		Midelt	32N	4W	GMT
	Aswan	24N	32E	GMT +2		Mohammedia	33N	7W	GMT
	Asyut	27N	31E	GMT +2		Nador	35N	3W	GMT
	Baltim	31N	31E	GMT +2		Ouarzazate	30N	6W	GMT
	Cairo	30N	31E	GMT +2		Ouezane	34N	5W	GMT
	Nabq	28N	34E	GMT +2		Oujda	34N	2W	GMT
	Siwa	29N	25E	GMT +2		Rabat	34N	6W	GMT
	Zawayat Shammas	31N	26E	GMT +2		Safi	32N	9W	GMT
						Settat	33N	7W	GMT
	Kenya								
	Athi River	1S	36E	GMT +3					
	Garissa	0S	39E	GMT +3					

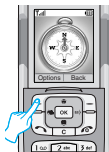
Continent	Country/City	Latitude	Longitude	Time Zone	Continent	Country/City	Latitude	Longitude	Time Zone
Africa	Sidi Ifni	29N	10W	GMT	Africa	Ritchie	29S	24E	GMT +2
	Sidi Kacem	33N	7W	GMT		Rustenburg	25S	27E	GMT +2
	Sidi Slimane	34N	6W	GMT		Saldanha	33S	17E	GMT +2
	Tanger	30N	7W	GMT		Sekuruwe	23S	29E	GMT +2
	Tan-tan	28N	11W	GMT		Soweto	26S	27E	GMT +2
	Taza	34N	4W	GMT		Springbok	29S	17E	GMT +2
	Taroudant	35N	5W	GMT		Stanger	29S	31E	GMT +2
	Tetouan	35N	5W	GMT		Strand	34S	18E	GMT +2
	Tiznit	29N	9W	GMT		Tembisa	26S	28E	GMT +2
	Nigeria					Tongaat	29S	31E	GMT +2
	Aba	11N	7E	GMT +1		Uitenhage	33S	25E	GMT +2
	Abeokuta	7N	3E	GMT +1		Ulco	28S	24E	GMT +2
	Abuja	9N	7E	GMT +1		Upington	28S	21E	GMT +2
	Calabar	4N	8E	GMT +1		Vereeniging	26S	27E	GMT +2
	Enugu	6N	7E	GMT +1		Walmer	33S	25E	GMT +2
	Gwarzo	12N	8E	GMT +1		Witbank	25S	29E	GMT +2
	Iwo	8N	5E	GMT +1		Sudan			
	Lagos	6N	3E	GMT +1		Malakal	9N	31E	GMT +3
	Mushin	6N	3E	GMT +1		Nyala	12N	24E	GMT +3
	Onitsha	6N	6E	GMT +1		Wad Madani	14N	33E	GMT +3
	Oyo	7N	3E	GMT +1		Wadi Halfa'	21N	31E	GMT +3
	Port Harcourt	4N	7E	GMT +1		Tunisia			
	Zaria	11N	4E	GMT +1		Bizerte	37N	9E	GMT +1
	Somalia					Beja	36N	9E	GMT +1
	Hargeisa	9N	44E	GMT +3		Chebba	35N	11E	GMT +1
	Kismayo	0S	42E	GMT +3		Djerba Mellita	32N	9E	GMT +1
	South Africa					Gabes	33N	10E	GMT +1
	Alexander Bay	28S	16E	GMT +2		Gafsa	34N	8E	GMT +1
	Annadale	23S	29E	GMT +2		Hamamet	35N	8E	GMT +1
	Barkly West	28S	24E	GMT +2		Houmet Essouk	36N	10E	GMT +1
	Belville	33S	18E	GMT +2		Kairouan	35N	10E	GMT +1
	Benoni	26S	28E	GMT +2		Kelibia	36N	10E	GMT +1
	Bethlehem	28S	28E	GMT +2		La Marsa	36N	10E	GMT +1
	Bloemfontein	29S	26E	GMT +2		Mahres	34N	10E	GMT +1
	Boshof	28S	25E	GMT +2		Menzel Bourguiba	37N	9E	GMT +1
	Calvinia	31S	19E	GMT +2		Monastir-Skanes	35N	10E	GMT +1
	Cape Town	33S	18E	GMT +2		Nabeul	36N	10E	GMT +1
	Durban	29S	31E	GMT +2		Remada	32N	10E	GMT +1
	East London	33S	27E	GMT +2		Sfax	34N	10E	GMT +1
	Edenburg	29S	25E	GMT +2		Sousse	35N	10E	GMT +1
	Ferreira	29S	26E	GMT +2		Tabarka	36N	8E	GMT +1
	George	33S	22E	GMT +2		Thala	35N	8E	GMT +1
	Germiston	26S	28E	GMT +2		Tozeur	33N	8E	GMT +1
	Grootmis	29S	17E	GMT +2		Tunis	36N	10E	GMT +1
	Haga-Haga	32S	28E	GMT +2	Asia	Afghanistan			
	Hamburg	33S	27E	GMT +2		Ghurian	34N	61E	GMT +4.5
	Hermanus	34S	19E	GMT +2		Herat	34N	62E	GMT +4.5
	Illovo	30S	30E	GMT +2		Kabul	34N	69E	GMT +4.5
	Jeffrey's Bay	34S	24E	GMT +2		Qandahar	36N	68E	GMT +4.5
	Johannesburg	26S	28E	GMT +2		Azerbaijan			
	Kakamas	28S	20E	GMT +2		Baku	40N	50E	GMT +4
	Karos	28S	21E	GMT +2		Ganca	41N	46E	GMT +4
	Keimoes	28S	20E	GMT +2		Lenkoran	39N	49E	GMT +4
	Kempton Park	26S	28E	GMT +2		Sumgayit	41N	50E	GMT +4
	Kimberley	28S	24E	GMT +2		Bahrain			
	King William's Town	32S	27E	GMT +2		Al Manama	26N	50E	GMT +3
	Kleinsee	29S	17E	GMT +2		Al Muharraq	26N	50E	GMT +3
	Krugersdorp	26S	27E	GMT +2		Iran			
	Langebaanweg	32S	18E	GMT +2		Abadan	30N	48E	GMT +3.5
	Louisvale	28S	21E	GMT +2		Ahwaz	31N	48E	GMT +3.5
	Lyttelton	25S	28E	GMT +2		Arak	34N	49E	GMT +3.5
	Malmesbury	33S	18E	GMT +2		Azar Shahr	37N	46E	GMT +3.5
	Paarl	33S	18E	GMT +2		Birjand	32N	59E	GMT +3.5
	Parow	33S	18E	GMT +2		Esfahan	32N	51E	GMT +3.5
	Pinetown	29S	30E	GMT +2		Eslamshahr	35N	51E	GMT +3.5
	Port Alfred	33S	26E	GMT +2		Marv Dasht	29N	52E	GMT +3.5
	Port Elizabeth	33S	25E	GMT +2		Mehriz	31N	54E	GMT +3.5
	Port Nolloth	29S	16E	GMT +2		Osku	37N	46E	GMT +3.5
	Potgietersrus	24S	29E	GMT +2		Qomshah	34N	46E	GMT +3.5
	Pretoria	30S	28E	GMT +2		Rey	35N	51E	GMT +3.5

Continent	Country/City	Latitude	Longitude	Time Zone	Continent	Country/City	Latitude	Longitude	Time Zone
	Tabriz	38N	46E	GMT +3.5		George Town	5N	100E	GMT +8
	Taft	31N	54E	GMT +3.5		Iphoh	4N	101E	GMT +8
	Torbati-Heydarieh	35N	59E	GMT +3.5		Johor Bahru	1N	103E	GMT +8
	Yazd	31N	54E	GMT +3.5		Kota Kinabalu	5N	116E	GMT +8
	Zanjan	36N	48E	GMT +3.5		Kuala Lumpur	3N	101E	GMT +8
	Zargan	31N	48E	GMT +3.5		Kuala Perlis	6N	100E	GMT +8
	Iraq					Kuala Terengganu	5N	103E	GMT +8
	Al A'zamiyah	30N	48E	GMT +3		Kuantan	3N	103E	GMT +8
	Al Basrah	30N	47E	GMT +3		Seremban	2N	101E	GMT +8
	Al Hillah	32N	44E	GMT +3		Oman			
	Al Karkh	33N	44E	GMT +3		As Sib	24N	59E	GMT +4
	Al Kazimiyah	33N	44E	GMT +3		Buraimi	24N	56E	GMT +4
	Al Kut	32N	45E	GMT +3		Fahud	22N	57E	GMT +4
	An Nasiriyah	31N	46E	GMT +3		Khassab	26N	56E	GMT +4
	Baghdad	33N	44E	GMT +3		Marmul	18N	55E	GMT +4
	Baqubah	34N	45E	GMT +3		Masirah	20N	59E	GMT +4
	Tall Kayf	36N	43E	GMT +3		Matrah	24N	59E	GMT +4
	Jordan					Muscat	24N	59E	GMT +4
	Ajlun	32N	36E	GMT +2		Salalah	17N	55E	GMT +4
	Amman	32N	36E	GMT +2		Sohar Majis	24N	57E	GMT +4
	Aqaba	30N	35E	GMT +2		Sur	23N	60E	GMT +4
	Irbid	33N	36E	GMT +2		Tumayt	25N	56E	GMT +4
	Madaba	32N	36E	GMT +2		Pakistan			
	Zarqa'	32N	36E	GMT +2		Bahawalpur	29N	71E	GMT +5
	Kazakhstan					Chiniot	32N	73E	GMT +5
	Atbasar	51N	68E	GMT +5		Faisalabad	31N	73E	GMT +5
	Atyrau	47N	51E	GMT +4		Gujranwala	32N	74E	GMT +5
	Bakanas	48N	78E	GMT +6		Gujrat	33N	74E	GMT +5
	Balkashino	52N	68E	GMT +5		Hyderabad	25N	68E	GMT +5
	Berlik	43N	71E	GMT +6		Islamabad	34N	73E	GMT +5
	Dzhusaly	45N	64E	GMT +5		Jhang Sadar	31N	72E	GMT +5
	Esil	51N	67E	GMT +5		Karachi	25N	67E	GMT +5
	Fort Shevchenko	44N	50E	GMT +4		Kasur	31N	74E	GMT +5
	Novotroitskoe	54N	62E	GMT +5		Kohat	34N	71E	GMT +5
	Otar	43N	75E	GMT +6		Lahore	32N	74E	GMT +5
	Panfilov	51N	65E	GMT +5		Larkana	27N	68E	GMT +5
	Pavlodar	52N	76E	GMT +6		Mardan	34N	72E	GMT +5
	Petropavlovsk	54N	69E	GMT +5		Multan	30N	71E	GMT +5
	Ruzaevka	52N	66E	GMT +5		Muree	34N	73E	GMT +5
	Shymkent	42N	69E	GMT +5		Nawabshah	26N	68E	GMT +5
	Sorang	49N	72E	GMT +6		Peshawar	34N	72E	GMT +5
	Stepnogorsk	52N	72E	GMT +6		Quetta	30N	67E	GMT +5
	Talghar	43N	77E	GMT +6		Rawalpindi	34N	73E	GMT +5
	Temirtau	50N	72E	GMT +6		Sahiwal	31N	73E	GMT +5
	Turkestan	43N	68E	GMT +5		Sargodha	32N	73E	GMT +5
	Ural'sk	51N	51E	GMT +4		Shekhupura	32N	74E	GMT +5
	Urdzhar	47N	81E	GMT +6		Sialkot	33N	75E	GMT +5
	Zhezkazgan	47N	67E	GMT +5		Sukkur	27N	69E	GMT +5
	Kuwait					Tatta	25N	68E	GMT +5
	Al Jahrah	29N	48E	GMT +3	Qatar	Al Wakrah	25N	52E	GMT +3
	Kuwait City	30N	48E	GMT +3		Ar Rayyan	25N	51E	GMT +3
	Salmiya	29N	48E	GMT +3		Doha	25N	52E	GMT +3
	Kyrgyzstan				Saudi Arabia	Abha	18N	42E	GMT +3
	Bishkek	42N	74E	GMT +5		Abyar Ali	24N	39E	GMT +3
	Dzhalaal-Abad	40N	73E	GMT +5		Al Hasa	25N	50E	GMT +3
	Frunze	42N	78E	GMT +5		Al Hariq	23N	46E	GMT +3
	Kant	42N	74E	GMT +5		Al Hulwah	23N	46E	GMT +3
	Naryn	41N	76E	GMT +5		Al Jouf	18N	43E	GMT +3
	Talas	42N	72E	GMT +5		Al Laith	20N	40E	GMT +3
	Tokma	42N	75E	GMT +5		Al Qabiyah	22N	40E	GMT +3
	Lebanon					Arar	30N	41E	GMT +3
	Akka	34N	36E	GMT +2		As Sulaymaniyah	31N	41E	GMT +3
	Baalbek	34N	36E	GMT +2		Bahrah	21N	39E	GMT +3
	Beirut	34N	36E	GMT +2		Bishah	20N	43E	GMT +3
	Sidon	34N	35E	GMT +2		Dammam	26N	50E	GMT +3
	Tripoli	34N	36E	GMT +2		Gurayat	31N	37E	GMT +3
	Tyre	33N	35E	GMT +2		Hail	27N	41E	GMT +3
	Zahle	34N	36E	GMT +2		Jeddah	21N	39E	GMT +3
	Malaysia								
	Alor Setar	6N	100E	GMT +8					

Continent	Country/City	Latitude	Longitude	Time Zone	Continent	Country/City	Latitude	Longitude	Time Zone
	Jizan	17N	43E	GMT +3		Gumushane	40N	39E	GMT +2
	Khamis Mushait	18N	42E	GMT +3		Hakkari	37N	43E	GMT +2
	Khobar	26N	50E	GMT +3		Hatay	36N	36E	GMT +2
	Madinah	24N	40E	GMT +3		Icel	36N	34E	GMT +2
	Makkah	21N	39E	GMT +3		Igdir	39N	44E	GMT +2
	Najran	17N	44E	GMT +3		Isparta	37N	30E	GMT +2
	Qara	29N	40E	GMT +3		Istanbul	41N	28E	GMT +2
	Qassim	24N	40E	GMT +3		Izmir	38N	27E	GMT +2
	Quaysumah	25N	43E	GMT +3		Kahramanmaras	37N	36E	GMT +2
	Rabigh	23N	39E	GMT +3		Karabuk	41N	32E	GMT +2
	Rafha	29N	43E	GMT +3		Karaman	37N	33E	GMT +2
	Riyadh	20N	40E	GMT +3		Kars	40N	43E	GMT +2
	Sakakah	29N	40E	GMT +3		Kastamonu	41N	33E	GMT +2
	Shaqra	25N	45E	GMT +3		Kayseri	38N	35E	GMT +2
	Sharourah	29N	37E	GMT +3		Kilis	36N	37E	GMT +2
	Tabuk	28N	36E	GMT +3		Kirikkale	39N	33E	GMT +2
	Taif	21N	40E	GMT +3		Kirkclareli	41N	27E	GMT +2
	Turayf	27N	44E	GMT +3		Kirsehir	39N	34E	GMT +2
	Wadi Al Dawasir	21N	45E	GMT +3		Kocaeli	40N	29E	GMT +2
	Wajh	26N	36E	GMT +3		Konya	37N	32E	GMT +2
	Yanbu	24N	38E	GMT +3		Kutahya	39N	29E	GMT +2
	Zahrán	17N	43E	GMT +3		Malatya	38N	38E	GMT +2
	Syria					Manisa	38N	27E	GMT +2
	Al Mismiyah	33N	36E	GMT +2		Mardin	37N	40E	GMT +2
	Al Outayfah	33N	36E	GMT +2		Mugla	37N	28E	GMT +2
	Darayya	33N	36E	GMT +2		Mus	38N	41E	GMT +2
	Duma	35N	37E	GMT +2		Nevsehir	38N	34E	GMT +2
	Furqlus	34N	37E	GMT +2		Nigde	37N	34E	GMT +2
	Hims	34N	36E	GMT +2		Ordu	41N	37E	GMT +2
	Idlib	35N	36E	GMT +2		Rize	41N	40E	GMT +2
	Manbij	36N	37E	GMT +2		Samsun	41N	36E	GMT +2
	Shinshar	34N	36E	GMT +2		Sanliurfa	37N	38E	GMT +2
	Tajikistan					Siirt	37N	41E	GMT +2
	Dushanbe	39N	69E	GMT +5		Sinop	42N	35E	GMT +2
	Khujand	40N	70E	GMT +5		Simak	37N	42E	GMT +2
	Kulob	38N	70E	GMT +5		Sivas	39N	37E	GMT +2
	Qurghonteppe	38N	69E	GMT +5		Tekirdag	40N	27E	GMT +2
	Turkey					Tokat	40N	36E	GMT +2
	Adana	37N	35E	GMT +2		Trabzon	41N	39E	GMT +2
	Adiyaman	37N	38E	GMT +2		Tunceli	39N	39E	GMT +2
	Afyon	38N	30E	GMT +2		Usak	38N	29E	GMT +2
	Agri	39N	43E	GMT +2		Van	38N	43E	GMT +2
	Aksaray	38N	34E	GMT +2		Yalova	40N	29E	GMT +2
	Amasya	40N	35E	GMT +2		Yozgat	39N	34E	GMT +2
	Ankara	39N	32E	GMT +2		Zonguldak	41N	31E	GMT +2
	Antalya	36N	30E	GMT +2		United Arab Emirates			
	Ardahan	41N	42E	GMT +2		Abu Dhabi	24N	54E	GMT +4
	Artvin	37N	27E	GMT +2		Ajman	25N	55E	GMT +4
	Balikesir	39N	27E	GMT +2		Ash Shariqah	25N	55E	GMT +4
	Bartin	41N	32E	GMT +2		Dubai	25N	55E	GMT +4
	Batman	37N	41E	GMT +2		Sharjah	25N	55E	GMT +4
	Bayburt	40N	40E	GMT +2		Umm al Qaywayn	26N	56E	GMT +4
	Bilecik	40N	29E	GMT +2		Uzbekistan			
	Bingol	38N	40E	GMT +2		Fergana	40N	68E	GMT +5
	Bitlis	38N	42E	GMT +2		Kurgand	40N	72E	GMT +5
	Bolu	40N	31E	GMT +2		Nukus	42N	59E	GMT +5
	Burdur	37N	30E	GMT +2		Nurata	40N	65E	GMT +5
	Bursa	40N	29E	GMT +2		Pskem	41N	70E	GMT +5
	Canakkale	40N	26E	GMT +2		Samarkand	40N	67E	GMT +5
	Cankiri	40N	33E	GMT +2		Tamdy	41N	67E	GMT +5
	Denizli	37N	29E	GMT +2		Tashkent	40N	68E	GMT +5
	Diyarbakir	37N	40E	GMT +2		Urgench	40N	70E	GMT +5
	Edirne	41N	26E	GMT +2		Yemen			
	Elazig	38N	39E	GMT +2		Aden	13N	45E	GMT +3
	Erzincan	39N	39E	GMT +2		Al Hudaydah	15N	43E	GMT +3
	Erzurum	39N	41E	GMT +2		Ash Shaykh Uthman	12N	44E	GMT +3
	Eskisehir	39N	30E	GMT +2		Lahij	13N	45E	GMT +3
	Gaziantep	37N	37E	GMT +2		Sanaa	14N	45E	GMT +3
	Giresun	40N	38E	GMT +2		Taizz	15N	44E	GMT +3

How to Calibrate

Before using **Calibrate**, you must set **City setting** [Menu 5-2].
For further details, see page 66 in the User's Manual.



1. In standby mode, press → → to enter Direction indicator.
2. Press [Options] and then select **2 Calibrate**.

3. You must make sure that your phone place flat on non-magnetic board.



Do not place magnetic and metal materials around phone such as electronic appliances (TVs, Computers, Speaker, Radios and so on).



4. The message, 'Your phone should remain flat for right direction' is appeared in display screen and then press [Calibrate].



5. When '**Calibrating...**' message is appeared in display screen, keep your phone flat and turn it round 3~5 time slowly.



6. Keep your phone on the flat, and press [Done].